

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

MICHAEL E. KOUNAVIS, ET AL.

Application No.: Not Assigned

Filed: October 20, 2003

For: **METHOD AND APPARATUS FOR  
TWO-STAGE PACKET  
CLASSIFICATION USING MOST  
SPECIFIC FILTER MATCHING AND  
TRANSPORT LEVEL SHARING**

Art Group: Not Assigned

Examiner: Not Assigned

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of Information Disclosure Statement by Applicant (form PTO/SB/08), which is being submitted concurrently with the Utility Application. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s). Copies of the references cited on PTO/SB/08 are enclosed herewith.

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP



Kerry D. Tweet, Reg. No. 45,959

Date: October 20, 2003

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Substitute for form 1449A/PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			
(use as many sheets as necessary)			
Sheet	1	of	3
		Application Number	Not Assigned
		Filing Date	October 20, 2003
		First Named Inventor	Michael E. Kounavis
		Art Unit	Not Assigned
		Examiner Name	Not Assigned
		Attorney Docket Number	42P16527

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

Examiner Signature		Date Considered
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.'	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	14	M.E. KOUNAVIS, ET AL., "DIRECTIONS IN PACKET CLASSIFICATION FOR NETWORK PROCESSORS", Second Workshop on Network Processors(NP2), Anaheim, CA, February, 2003, Pgs. 1-10.	
	15	P.F. TSUCHIYA, "A SEARCH ALGORITHM FOR TABLE ENTRIES WITH NON-CONTIGUOUS WILDCARDING", Bellcore, 1991, Pgs. 1-10.	
	16	DEGERMARK, ET AL., "SMALL FORWARDING TABLES FOR FAST ROUTING LOOKUPS", Computer Communication Review, acm sigcomm, Volume 27, No. 4, October 1997, 16 Pgs.	
	17	SHAFAI, ET AL., "FULLY PARALLEL 30-MHz, 2.5-Mb CAM", IEEE Journal of Solid-State Circuits, Vol. 33, No.11, November 1998, 9 Pgs.	
	18	SRINIVASAN, ET AL., "FAST AND SCALABLE LAYER FOUR SWITCHING", Computer Communication Review, acm sigcomm, Vol. 28, No.4, October 1998, 14 Pgs.	
	19	LAKSHMAN, ET AL., "HIGH-SPEED POLICY-BASED PACKET FORWARDING USING EFFICIENT MULTI-DIMENSIONAL RANGE MATCHING", Computer Communicaiton Review, acm sigcomm, Vol.28, No.4, October 1998, 14 Pgs.	
	20	BUDDHIKOT, ET AL., "SPACE DECOMPOSITION TECHNIQUES FOR FAST LAYER-4 SWITCHING", IEEE ComSoc TC on Gigabit Networking Sixth International Workshop on Protocols for High-Speed Networks (PfHSN 99), 1999, 12 Pgs.	
	21	GUPTA, ET AL., "PACKET CLASSIFICATION ON MULTIPLE FIELDS", Computer Communication Review, acm sigcomm, Vol.29, No.4, October 1999, 16 Pgs.	
	22	SRINIVASAN, ET AL., "PACKET CLASSIFICATION USING TUPLE SPACE SEARCH", Computer Communication Review, acm sigcomm, Vol.29, No.4, October 1999, 14 Pgs.	
	23	GUPTA, ET AL., "CLASSIFYING PACKETS WITH HIERARCHICAL INTELLIGENT CUTTINGS", IEEE Micro Chips, Systems, Software, and Applications, Jan/Feb. 2000, 10 Pgs.	
	24	HARI, ET AL., "DETECTING AND RESOLVING PACKET FILTER CONFLICTS", IEEE Infocom 2000, The Conference on Computer Communications, Vol. 3, 12 Pgs.	
	25	FELDMANN, ET AL., "TRADEOFFS FOR PACKET CLASSIFICATION", IEEE Infocom 2000, The Conference on Computer Communications, Vol. 3, 12 Pgs.	

Examiner  
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